

Multidimensional Transport Problem with Axial
Symmetry, by B. S. Verkhovskiy, 5 pp.

USSR Acad. Sci., Dokl Ak Nauk Physics Sections,
Vol CLVI, No 2, May 1964, pp 262-265.

Amer Inst of Phys
Doklady-Sov Phys
Vol IX, No 5

Sci
Jan 65

XXX,
270,869

On the Theory of Multistage Rockets, by
V. A. Kosmodem'ianskii, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 2,
1964, pp 286-289.
CIA/FDD X-5429

NASA-TT-F-8917
U.S. Government Only

Sci - Phys
Aug 64
FOR OFFICIAL USE ONLY

AMER INST of Phys
DOK - Sov Phys
Vol IX, no 5

NTC 72-12873-201C 264,107

Setting Up Steady-State Melting in a Viscous,
Vitreous Material, by Yu. V. Polezhayev,
2 pp.

RUSSIAN, Ser, Dok Ak Nauk Physics Sections,
Vol CLVI, No 2, May 1964, pp 290-293.

Amer Inst of Phys
Doklady-Sov Phys
Vol IV, No 5

X

Sci
Jan 65

270,372

Fundamental Formulas for a Multidimensional Real
Spinor and an Algebraic Model of Quantized Wave
Fields, by G. A. Zaytsev, 4 pp.

RUSSIAN, per, Dok Ak Nauk Physics Sections,
Vol CLVI, No 2, May 1964, pp 294-297.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci
Jan 65

270,876

Passage of (Electromagnetic Waves) Through
(Medium), by G. S. Anilev, V. V. Vozniakov,
et al.

Abstract, per, Sov Am Space Physics Section,
Vol XLVI, No 12, May 1964, pp 298-299.

Amer Inst of Phys
Sov Inst Sov Phys
Vol IX, No 3

Sci
Sci 66

270, 222

Changes in the Kaman Spectra of α -Gartz After
Irradiation with Fast Neutrons, by V. G. Zolov,
I. P. Osipova, 2 p.

Abstract, Ser. Dok Ak Nauk Physics Section,
Sov. Sci., No 2, May 1964, p. 300-301.

Your Inst. of Phys
Doklady Sov. Phys
Vol IX, No 5

44
Jan. 65

273,483

Role of Diffusion in the Production of Glass Specimens of Variable Composition, by V. I. Shchepetilny, G. V. Gruzanov, 3 pp.

RUSSIAN, for, Dok Ak Nauk Physics Sections,
Vol LXVI, No 2, May 1964, pp 302-305.

Amer Inst of Phys
Isklady Sov Phys
Vol 18, No 5

Sci
Jan 65

278,880

Suggestion About the Nature of Luminous Particles
Observed by Astronauts, by A. I. Lazarev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 2,
1964, pp 306, 307.
NASA TT F-8916

Dipl of Navy Jr 4294/APL T-1457

Sci-Ear Sci & Astron
Aug 64
U.S. GOVERNMENT ONLY

265,660

Numerical Algorithm for the Solution of Weather Forecast
Equations, by G.I. Marchuk.

RUSSIAN, per Dok. Akad. Nauk. SSSR, Vol. 196, 1984,

pp 508-511

MLL/90...551 1965 (518)

Sci -

Aug 67

136-43.

... determination of the structure of Methyl-
 iside Hydrochloride, by L. C. Voloshin,
 A. G. Gerasimov, S. G. G.

Vol. IV, No. 2, May 1964, pp. 311-314.

For List of Days

Continued on p. 3

Vol. IV, No. 2

8X

1X

all

1X 1X

171,007

X-Ray Studies of the Structure of
Pepsin, by V. V. Borisov, et al.
RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CLVI, No 2, 1964, p 363-364.

*JPRS/8-00000007 117-19746

Sci-Bio

May 67

The Mossbauer Effect in Compounds of Tin with
Coordination Number Six by V. I. Gol'danskiy, E. F.
Makarov, et al, 4 pp.
RUSSIAN, per Dok Ak Nauk SSSR Physical Chemistry,
Vol CLVI, No 2, May Jun 1964, pp 400-403.

CB

Sci
Jul 65

Characteristics of Vapor Adsorption by Microporous
Adsorbents by M. M. Dubinin and E. G. Zhukovskaya
3 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Physical Chemistry, V
Vol CLVI, No 2, May Jun 1964, pp 404-407.

CB

Sci
Jul 65

Viscosity, Raman Spectra, and Thermodynamic parameters of a Homologous Series of Normal Paraffins, C_5 - C_{18} - by S. Kh. G. Kashayev, B. Lyeh, et al, 3 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Physical Chemistry, Vol CLVI, No 2, May Jun 1964, pp 408-411.

CB

Sci
Jul 65

The Dipole Moments of Various Nitrones by I.
Yu. Kokoreva, L. A. Neyman, 3 pp.
RUSSIAN, per Dok Ak Nauk, SSSR Physical
Chemistry, Vol CLVI, No 2, May Jun 1964, pp 412-
414.

CB

Sci
Jul 65

A Determination of the Solubility and Coefficient
of Diffusion of Nickel in Mercury by
Amalgam Polarography by I. E. Krasnova,
A. I. Zebreva, 3 pp.
RUSSIAN, per Dok Ak Nauk SSSR Physical Chemistry,
Vol CLVI, No 2, May Jun 1964, pp 415-417

CB

Sci
Jul 65

Nuclear Quadrupole Relaxation of Deuterium in
Liquids by R. K. Mazitov 2 pp.
RUSSIAN, per Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 2, May Jun 1964, pp
418-419.

CB

Sci
Jul 65

A Study of the Effect of pH and Electrolyte Concentration of the Hydrogen overvoltage at the Dropping Gallium Electrode by K. Sabo and I. A. Bagotskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLVI, No 2, May Jun 1964, pp 420-423.

CE

Sci
Jul 65

Interaction of the Oxy-Forms of Oleic Acid with
the Surface of Certain Minerals by V. I.
Solnyshkin and S. A. Parshenkov } pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 2, May Jun 1964,
pp 424-426.

CB

Sci
Jul 65

Influence of Electrolytes on the Absorption of Dyes
By Radioactive Precipitates of BaSO_4 - by
Vikt. I. Spitsyn and V. V. Gromov 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR Physical
Chemistry, Vol CLVI, No 2 May Jun 1964, pp
427-429.

CB

Sci
Jul 65

On the Nature of the Chemical Bond in
Semiconductor Compounds A B^V by Ya. A. Ugay
and E. P. Domashevskaya 4 pp.
RUSSIAN, per Dok Ak Nauk SSSR Physical
Chemistry, Vol CLVI, No 2 May Jun 1964, pp. 430-
433.

CB

Sci
Jul 65

The Influence of Added Surface-Active Substances
on the Grinding of Clinker, by N. L. Kudryavtseva,
G. S. Khodakov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical Tech-
nology, vol CLVI, No 2, May-Aug 1964, pp 437-440.

CB

Jul 65

Experimental Analysis of the Functional Importance
Of the Capillaries of the Neuro-hypophysis, by
I. G. Akmayev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~141~~, No 2, May, Jun, 1964, pp 441-444

67-22

10

101
June 65

Vertical Migrations and Vertical Distribution
of Salmon in the Sea, by I.B. Birman, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~LVI~~, No 2, May, Jun, 1964, pp 444-447 .

Indices for the Short Term Prognosis of Numbers,
Viability and Fecundity of the Colorado Beetle,
by M. I. Sirotina, Ya. V. Britskiy, et al, 4 pp.
RUSSIAN, per, Dok A Ak Nauk SSSR, Biological
Sciences, Vol ~~III~~, No 2, May, Jun, 1964, pp 448-451.

CLUZ

6/78

S. I.

June 69

Changes in the Heat and Cold Resistance of Fish
Tissue in Relation to the Temperature Conditions
of the Medium, by G. L. Shkorbatov and G. S.
Kudryavtseva, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol-~~141~~, No 2, May, Jun, 1964, pp 452-454

Influence of Chronic Gamma-Irradiation on the
Biomass of Fresh Algal Periphyton, by E.A. Gileva,
N. A. Timofeyeva, et al, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~LVI~~, No 2, May, Jun, L964, pp 455-456

Effect of Hydrogen Peroxide on Reduction of Nitrates
in Green Plants, by A. A. Gurevich, I. N. Truba-
chev, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
CLVI, Jan-Jun, No 2, 1964, pp 457-460,

CB

Sci
Jul 65

Globulins of Sunflower Seeds (Helianthus annuus L.),
by V. G. Klimenko, N. I. D'yachenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
CLVI, Jan-Jun, No 2, 1964, pp 461-464.

CB

Sci
Jul 65

Preparation of Crystalline Histidine Decarboxy-
lase of Micrococcus sp. M n., by S. R. Mardashev
L. A. Semina, 3 pp.
RUSSIAN, paer, Dok Ak Nauk SSSR, Biochemistry,
Vol CLVI, Jan-Jun, No 2, 1964, pp 465-466.

CB

Sci
Jul 65

Biosynthesis of Amino Acids from Glyoxylic Acid
in Oil-Seed Plants, by E. A. Morgunova, Z. G.
Evstigneyeva, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
CLVI, Jan-Jun, No 2, 1964, pp 467-469.

CB

Sci
Jul 65

The Effect of Intense light Flashes on
the Stability of the Photosynthetic
Apparatus, by T. N. Godnev, E. V.
Khodasevich, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 2, Jan-Jun 1964,
pp 471-473.

CB

Sci
Aug 65

Accumulation of Iron in Leaves as a
Function of Age, by E. E. kHavkin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 2, Jan-Jun 1964,
pp 474-477.

CB

X
Sci
Aug 65

The Cortical Regulation of the Nucleus Reticularis
of the Thalamus, by A. G. Rabin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~LVI~~, No 2, May, Jun, 1964, pp 478-480

The Use of Radiotelemetry to Investigate the Evac-
uatory Function of the Stomach, E. B. Babskiy,
A. S. Belousov, et al, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol-LVI, No 2, May, Jun, 1964, pp 719-720.

67 2

CE

2.1

June 65

The Effect of Large Doses of Cortisone on Mice
of Line C57BL, by M. P. Borovitskaya, N.I. Volod-
chenko, et al, 2 pp.
RUSSIAN, per, ~~Dok~~ Dok Ak Nauk SSSR, Biological
Sciences, Vol ~~144~~, No 2, May Jun, 1964, pp 982-
983.

The Detoxicating Action of Propyl Gallate, Heparin,
and Hydrocortisone on the Venom of Vipera lebetina,
by E. N. Pavlovskiy, F. F. Talyzin, et al, 2 pp.
RUSSIAN, e per, Dok Ak Nauk SSSR, Biological Sciences
Sciences, Vol ~~147~~, No 2, May, Jun, 1964, pp 1476-1477.

CLZ

CP

June 1964

Radiotelemetric Investigation of the pH of the
Alimentary Tract, by E. B. Babskiy, A. M. Sorin,
et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~196~~, No 3, May, Jun, 1964, pp 222-224.

Local Saturation of a Family of Linear Positiv
Operators, by R. G. Mamedov, 4 pp.
RUSSIAN per, Dokl Ak Nauk SSSR, S v Math,
Vol clvi, No 3, 1964, pp 419-424.

Amer Math soc
Sov Math - Doklady
Vol V, no3

Sci
Oct 63

Representations of Adele Groups,
by I. M. Gel'fand, I. M. Grayev, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 487-490.

Amer Math Soc
Sov Math - Doklady
Vol V, NO 3

Sci
Oct 64

267,536

A Class of Nonlinear Singular Integral
Equations With Cauchy Kernel in the Class
of Functions Vanishing at the Endpoints,
by A. I. Guseynov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 491-494.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci - Oct 64

Correlation Functions of a Gaussian
Markov Process, by G. I. Kalmykov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 495-498.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

267,537

Local Saturation of a Family of Linear
Positive Operators, by R. G. Mamedov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 499-502.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

Formulation of Some Converse Problems,
by G. I. Marcuk, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 503-506.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

The Method of Finite Differences Applied
to the Solution of Boundary Value Problems
on Riemann Surfaces, by G. D. Merzlyakova,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 507-509.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

Transformations of Certain Types of Circuits
Connected With Finite Automata,
by V. L. Murskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 510-512.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

On the Fisher-Welch-Wald Test, by
I. L. Romanovskaya, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 513-514.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

A Test for the Finiteness of the Number
of Discrete Levels Introduced into Gaps
of a Continuous Spectrum by Perturbations
of a Periodic Potential, by F. S. Rofe-Beke-
tov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 515-518.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci

Oct 64

Potential-Type Operators for the Case of
Sets With an Abstract Measure,
by E. I. Pustyl'nik, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 519-521.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

The Solution of Nonlinear Equations by an
Iteration Method, by M. N. Yakovlev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 3, 1964, pp 522-524.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

Minimizing Unfactorable Boolean Functions
by Means of the Method of Approximate Functional De-
composition, by G. B. Tunanyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk Physics Sections,
Vol CLVI, No 3, May 1964, pp 525-528.

Amer Inst of Phys
Doklady-Sov Phys
Vol IX, No 5

Sci
Jan 65

270 270

University-State Magnetohydrodynamics Institute.
Title of the Russian series, by N. V. Galkaev,
G. A. Galkaev, 3 p.

Collection, for, with the same Physics sections,
Vol 101, No 1, May 1964, pp 325-332-

For List of Phys
Galkaev-Galkaev
Vol 101, No 1

X

101
JAN 1964

177,373

Group Classification of Equations Describing the
One Dimensional Nonstationary Gas Flows, by
K. P. Surovikhin.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 3,
1964, pp 533-536.
NASA TT F-8921

AMER Inst of Phys
Dok - Sov Phys
vol IX, No 5

Sci-Phys

Aug 64

U.S. GOVERNMENT ONLY

265,125

Variational Principles in the Development of
Cracks in Solids, by N. N. Burdakov, L. L. Fokin,
4 pp.

Encl 100, per, 1000 AR Bank Physics Sections,
Vol XVI, No 3, May 1964, pp 337-340.

Ames Inst of Phys
Moscow Sov Phys
Vol IX, No 5

100
1000

270,387

Analysis and Characteristics of ...
V. V. ... , A. I. ... , ...

...
Vol. ... , No. ... , ... 1964, p. ...-42.

Acad. Inst. of Phys
Soviet Union
Vol. IX, ...

Sci

Vol. ...

272, ...

Complexes With Charge Transfer, Formed
by Ferrocene With Trinitro-Derivatives
of Benzene, by B. Ya. Getnarskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI,
No 3, 1964, pp 604-607.
SLA TT 64-30038

Sci-
May 67

327,205

Triplet States of Naphthalene Molecules
Excited by Fast Electrons in Solid Solutions
by M. V. Alfimov, N. Ya. Buben, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR Physical
Chemistry, Vol CLVI, No 3, May Jun 1964, pp
630-633.

CB

Sci
Jul 65

Autohesion of Polyethylene Under High
Pressure by R. A. Baltenas and L. A.
Igonin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 3, May Jun 1964,
pp. 634-636.

CB

Sci
Jul 65

Additive Relationships for the Chemical Shifts in
the Magnetic Resonance Spectra of F^{19} Nuclei
in Fluorophosphates and Fluorophosphonates by
V. F. Bystrov, A. A. Neymysheva, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 3, May Jun 1964,
pp. 637-640.

CB

Sci
Jul 65

Electronic Paramagnetic Resonance in Mo(V)
Thiocyanate Complexes by N. S. Garif'yanov,
B. M. Kozyrev, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 3, May Jun 1964, pp.
641-643.

CB

Sci
Jul 65

Effect of an Electric Field on the Growth of
Porosity by Mutual Diffusion in Alkali Halide
Single-Crystals by Ya. E. Geguzin and V. I.
Solunskiy 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR Physical
Chemistry, Vol CLVI, No 3, May Jun 1964,
pp. 644-646.

CE

Sci
Jul 65

On the Relationship Between
Paramagnetic and Electric Properties
of Certain Organic Semiconductors,
by A. D. Grishina, A. V. Vannikov, 6 pp.
RUSSIAN, per, Dokl. Ak. Nauk SSSR, Vol. CLVI,
No 3, 1964, pp 647-649. 9698096
FTD-TT-65-306

3/2

Sci-Elect
Oct 65

289,989

Cathode Liberation of Carbon from Molten Carbonates by K. Belimarskiy, A. V. Gorodyskiy, et al,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 3, May Jun 1964,
pp. 650-651.

CB

Sci
Jul 65

The Structure of Polyvinyl Alcohol Films as it
Influences the Mechanism of Their Pyrolysis by
G. I. Distler, P. S. Sotnikov, et al,

2 pp.

RUSSIAN, per, Dok Ak Nauk, SSSR Physical
Chemistry, Vol CLVI, No 3, May Jun 1964,
pp. 652-653.

CB

Sci

Jul 65

Diffusive Spreading of the Fronts and Calculation
of Mixture Compositions in Chromatography
Without Gas Carrier, by A. A. Zhukhovitskiy,
N. M. Turkel'taub, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk, SSSR Physical Chemistry
Vol CLVI, No 3, May Jun 1964, pp. 654-657.

CE

Sci
Jul 65

Thermal Destruction of Polyethylene Terephthalate,
by I. E. Kardash, A. N. Pravednikov, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR Physical Chemistry,
Vol CLVI, No 3, May Jun 1964, pp. 658-661.

CB

Sci
Jul 65

The Mechanism of the Combustion of Carbon by
N. V. Lavrov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR , Physical
Chemistry, Vol CLVI, No 3, May Jun 1964,
pp. 662-665.

CB

Sci
Jul 65

On the Role of Ionogenic Groups in the
Conformation Transformation of Gelatin by
V. P. Merzlov and V. A. Pchelín 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 3, May Jun 1964,
pp. 666-668.

CB

Sci
Jul 65

Influence of the Nature of the Initiator and Phase State of Acetaldehyde on the Chemical Structure of the Macromolecules Formed in its Polymerization by I. M. Papisov, T. A. Pisarenko, et al, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR Physical Chemistry, Vol CLVI, No 3, May Jun 1964, pp. 669-672.

CB

Sci
Jul 65

Determination of the Composition of
Products Chemisorbed on the Surface of
Platinized Platinum in Methanol Solutions
by Means of Charging Curves, by R. I.
Podlovchenko, E. P. Gorgonova, 5 pp.
RUSSIAN, per, Doklady. Akademiya Nauk SSSR,
Vol 156, No 3, 1964, pp 673-676.
ATS-76R79R

336, 211

Sci
Aug 67

On the Characteristics of the Kinetics of the
Polymorphic Transformation of Zirconium Dioxide
During Cooling by E. Ya. Sukharevskiy, E. G. Alapin,
et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR Physical
Chemistry, Vol CLVI, No 3 May Jun 1964,
pp. 677-680.

CB

Sci
Jul 65

The Relation Between the Valence Vibration Frequencies of the Water Molecule and the Energy of Hydrogen Bonding by G. V. Yulhnevich and A. V. Karyakin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR Physical Chemistry, Vol CLVI, No 3 May Jun 1964, pp. 681-684.

CB

Sci

The Influence of the Composition of the Original
Mixture on the Kinetics of the Reaction of $\text{Ca}(\text{OH})_2$
with Quartz under Hydrothermal Treatment Conditions,
by L. N. Rashkovich, V. P. Varlamov, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology, Vol CLVI, No 3, May-Aug 1964, pp
685-688.

CB

Jul 65

The Possibility of ~~Cult~~ Culturing Clostridium
butyricum on Synthetic Media, by L. G. Azova,

3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~LVI~~; No 3, May, Jun, 1964, pp 689-691.

07-22

CE

Sci

June 65

The Influence on Iron Concentration on the Synthesis
Of Flavines by Nocardia erythropolis, by V.N.
Shaposhnikov, T.V. Finogenova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol. ~~147~~, No 3, 692-~~693~~ 74

C. 15

C. 15

S. 1

June 65

The Structural Temperature of Living Tissues, by
N. A. Maltsev, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biophysics,
Vol CLVI, No 3, 1964, pp 695-697.

CB

May 65

Direct Evidence of Participation of Phosphoglyceric
Carbon Cycle, N. G. Doman, R. Ya. Shkol'nik, &
et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry,
Vol CLVI, Jan-Jun, No 3, 1964, pp 698-701.

CB

Sci
Jul 65

Effect of Light on Oxidation of Succinate by
Mitochondria of Green and Etiolated Peas, by
I. M. Mosolova, N. M. Sisakyan, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochemistry, Vol
CLVI, Jan-Jun, No 3, 1964, pp 702-704.

CB

Sci
Jul 65

The Rate of Sap Ascent in Trees, by Van
Sha-Shen, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 3, Jan- Jun 1964,
pp 706-707.

CB

Sci
Aug 65

The Problem of the Role of β -Indoleacetic Acid in Seed Dormancy, by T. V. Daletskaya,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Botanical Sciences, Vol CXVI, No 3, Jan-Jun 1964, pp 708-711.

CB

Sci
Aug 65

The Effect of the Spectral Composition
and Intensity of Radiant Energy on the
Content of Chlorophyll in Relation
to the Length of the Photoperiod, by
I. A. Shul'gin. L. a. Khodorenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Botanical
Sciences, Vol CLVI, No 3, Jan-Jun 1964,
pp 712-714.

CB

Sci
Aug 65

Intravital Observations on Movement of the Hairs
of the Olfactory Cells, by A. A. Bronshteyn, 4 pp
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sciences,
Vol ~~LVI~~, No 3, May, Jun, 1964, pp 715-718

On n -dimensional Problems in the Calculus of
Variations in the Large, by S. I. Al'ber, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 4, 1964, pp 727-730.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

267,539

Spectrum of a Regular Quasidifferential
Operator, by A. V. Kuzel', 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 4, 1964, pp 731-733.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sco
Oct 64

Commutative Algebras of Operators in
the Space II, by M. A. Naymark, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 4, 1964, pp 734-8737.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

On Some Differential Games, by L. S. Pontryagin,
5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 4, 1964, pp 738-741.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

267,540

Continuous Dependence on a Parameter of
the Fundamental Solution of a Parabolic
System, by L. N. Slobodeckiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 4, 1964, pp 742-744.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

Study of Navier-Stokes Equations by the
Methods of the Theory of Parabolic Equations
in Banach Spaces, by P. E. Sobolevskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVIX, No 4, 1964, pp 745-748.

Amer Math Soc
Sov Math - Doklady
Vol V, No 3

Sci
Oct 64

The Solution of Certain Systems of Word
Equations, by Yu. I. Hmelevskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math,
Vol CLVI, No 4, 1964, pp 749-751.

Amer Math Soc
Sov Math - Doklady
Vol V, No 2 3

Sci
Oct 64

Forbidden Transition Lines Linked With the First
Excited sp^2 Configurations in Coronal Isoelectron
Sequences. Quadrupole Transitions in sp^2 Configurations,
by A. A. Nikitin, O. A. Yakubovskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLXVI, No 4,
1964, pp 760-764.
NASA TT F-8937

Sci-Ear Sci & Astron

Oct 64

U.S. GOVERNMENT ONLY

267,580

Use of Bremsstrahlung Radiation From β -Emitters
to Induce Photochemical Reactions, by L. M. Plakun,
N. G. Malysheva, et al, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIVI, 1964,
pp 803-805. 9325603
CPC-JRNL-fr-436

Many July 21

Sci-Phys
SEP 65

279,434

Numerical Forecast of Weather on a Spherical System
of Coordinates, by G. I. Marchuk, 6 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol CLVI,
No 4, 1964, pp 810-813.
JPRS 27,899

Sci-Earth Sciences & Astronomy
Feb 65

272,912

Study of the Trapping Levels in Organic
Photoconductors by V. A. Benderskiy, by B. Ya.
Kogan, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk, SSSR Physical
Chemistry, Vol CLVI, No 4, May Jun 1964,
pp. 897-900.

CB

Sci
Jul 65

Investigation of the Structure of Surface
Compounds Formed in the Adsorption of Ethanol on
the -Oxide of Aluminum, by the Method of Infrared
Absorption Spectra by G. K. Boreskov, Yu. M. Shchek-
ochikhin, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk, SSSR Physical
Chemistry, Vol CLVI, No 4, May Jun 1964,
pp. 901-904.

CE

Sci

Jul 65

On the Channel Effect During Detonation of Explosives by A. I. Gol'binder, and V. F. Tyshevich,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLVI, No 4, May Jun 1964,
pp. 905-908.

CB

Sci

Jul 65

The Mossbauer Effect in organic Compounds of Divalent
-t Tin- by V. I. Gol'danskiy, V. Ya.
Rochev, et al, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR Physical
Chemistry, Vol CLVI, No 4, May Jun 1964, pp.
909-911.

CE

Sci
Jul 65

A Thermodynamic Analysis of Ferrite Dissociation Equilibria by A. N. Men'. 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR Physical Chemistry, Vol CLVI, No 4, May Jun 1964, pp. 912-915.

CB

Sci
Jul 65

Kinetics of Chemical Reactions in Plasma Jets,
by L. S. Polak, Yu. L. Khait, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVI, No 4,
1964, pp 920-923. 9224136
AEC-ORNL-Tr-266

Sci-Chem
Dec 64

CB

270,082

Physicochemical Means of Regulating the Supermolecular Structures and Mechanical Properties of Amorphous Polyarylate F-1 by G. L. Slonimskiy, V. V. Korshak, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLVI, No 4, May Jun 1964, pp 924-925.

CB'

S-1
Jul 65

Nuclear Magnetic Resonance from the Protons in
Water Adsorbed on Montmorillonite by Yu. I.
Tarasevich, F. D. Ovcharenko, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk, SSSR Physical
Chemistry, Vol CLVI, No 4, May Jun 1964, pp
926-928.

CB

Sci
Jul 65